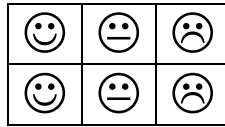


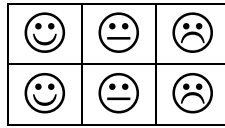
BRACKETS and EQUATIONS

A: I can multiply terms



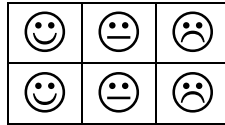
$$8p \times 3p, (2a)^3, (-5x)^2$$

B: I can multiply a bracket by a variable



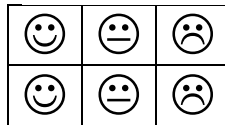
$$4(x+3), x(x+2), 3p(2p-1), -7(2r-3), 8z(2xy+3x),$$

C: I can expand brackets and simplify



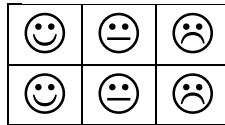
$$3(x+2) + 4(x-1) \\ x(x+2) + 5x - 7 \\ -a(2a+1) - 3a^2 + 4a$$

D: I can multiply out pairs of brackets



$$(x+2)(x+5) \\ (3x+1)(x+2) \\ (2x+3)(x-1) \\ (4x-3)(3x-2)$$

E: I can square brackets



$$(x+2)^2, (x-3)^2, (2x+1)^2$$

F: I can apply the above to more complex expressions



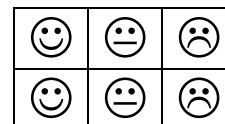
$$5(x+2)(x+1) \\ 2(x+3)^2, 3(a-b)(2a+b), \\ (5+w)(2w-3), \\ (x+2)(x+1)^2 \\ (x+2)(2x^2+3x+5)$$

G: I can solve equations with brackets



$$(x+2)^2 = x^2 + 18 \\ (x-1)^2 = (x+3)^2$$

H: I can solve problems using algebra



Form an equation to find the value of x .

